CLARATION FOR PATENT APPLICATI Docket Number: HUV-039.01 As a below named inventor, I hereby deci-My residence, post office address flizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Direct Growth of Nanotubes, and Their Use in Nanotweezers the specification of which (check one) is attached hereto. was filed on Date September 28, 2001 as United States Application Number or PCT International Application Number 09/966,812, and was amended on Date____ (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Priority Claimed Prior Foreign Application(s) ☐ No ☐ Yes (Day/Month/Year Filed) (Number) (Country) ☐ Yes ☐ No (Day/Month/Year Filed) (Number) (Country) I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below. 607237.347 September 29, 2000 (Application Number) (Filing Date) 面 (Filing Date) (Application Number) I fee by claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Colle, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. (Status: patented, pending, abandoned) (Filing Date) (Application Number) (Status: patented, pending, abandoned) (Application Number) (Filing Date) I hereby appoint Beth E. Arnold, Reg. No. 35,430; Isabelle Clauss, Reg. No. 47,326; Stephen B. Deutsch, Reg. No. 46,663; William D. DeVaul Reg. No. 42,783; Daniel P. Gaudet, Reg. No. 48,584; Robert W. Gauthier, Reg. No. 35,153; Jason Gish, Reg. No. 42,581; Dana Gordon, Reg. No. 44,719; Robert A. Greenberg, Reg. No. 44,133; Jennifer K. Holmes, Reg. No. 46,778; Scott E. Kamholz, Reg. No. 48,543; David A. Lane, Reg. No. 39,261; W. Hugo Liepmann, Reg. No. 20,407; Jim Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. No. 39,329; Jeffrey M. Sears, Reg. No. 48,440; Philip C. Swain, Reg. No. 32,376; Kingsley L. Taft, Reg. No. 43,946; John Quisel, Reg. No. 47,874; Anita Varma, Reg. No. 43,221; Sharon Webb, Reg. No. 47,172; and John L. Welch, Reg. No. 28,129 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Address all telephone calls to Dana M. Gordon at telephone number (617) 832-1000. Address all correspondence to: Customer Id No: 25181 Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor (given name, family name): Q Date: Inventor's signature: Citizenship: U.S.A Residence: Lexington, MA Post Office Address: 27 Hayes Avenue, Lexington, MA 02420

Additional inventors are being named separately numbered sheets attached hereto.

Full name of second joint inventor (given name, Tamily name): Jason H. Hafner	
Inventor's signature:	Date:
Residence: Houston, TX	Citizenship: <u>U.S.A.</u>
Post Office Address: 7500 Kirby Drive, #1520, Houston, TX 77030	
Full name of third joint inventor (given name, family name): Chin Li Cheung	
Inventor's signature:	
Residence: Cambridge, MA	Citizenship: China
Post Office Address: 1087 Murrieta Blvd., #141, Livermore, CA 94550	
Full name of fourth joint inventor (given name, family name): Philip Kim Inventor's signature: Residence: Lafavette, CA	Date: Citizenship:
Post Office Address: 949 East Street, #202, Lafayette, CA 94549	
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	
Post Office Address:	

As a below named invehior, I hereby dec		FOR PATENT APPLICATI	Docket Number: HUV-039.01
My residence, post office address and	~3	next to my name.	
I believe I am the original, the subject matter which is claimed and	inventor (if only one name is	listed below) or an original, first and	l joint inventor (if plural names are listed below) of
the subject matter which is visiting and		otubes, and Their Use in Nanotw	veezers
the specification of which (check one)			
□ is attached here	to		
was filed on Da and was amended o	te September 28, 2001 as Union Date (if applicable).		CT International Application Number 09/966,812,
referred to above.			ding the claims, as amended by any amendment
I acknowledge the duty to disclose infor	mation, which is material to p	atentability as defined in Title 37, C	ode of Federal Regulation, § 1.56.
	under Title 25 United States (Code & 119(a)-(d) of any foreign an	plication(s) for patent or inventor's certificate listed iling date before that of the application on which
Prior Foreign Application(s)			Priority Claimed
		(D. D.) (D D.)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	□ Yes □ No
(Number)	(Country)	(Day/Month/Year Filed)	\(\sum \text{Yes} \sum \text{No}
I hereby claim the benefit under Title 33	, ,,	e) of any United States Provisional a	pplication(s) listed below.
<u> </u>	September 29, 2000		
(Application Number)	(Filing Date)	_ -	
(Application Number)	(Filing Date)	_	
I hereby claim the benefit under Title 3:	isclosed in the prior United St	tates application in the manner provi	
(Application Number)	(Filing Da	ate)	(Status: patented, pending, abandoned)
[] (Application Number)	(Filing Da	ate)	(Status: patented, pending, abandoned)
(Application Number)	` •	•	, Reg. No. 46,663; William D. DeVaul Reg. No.
47,483; Daniel P. Gaudet, Reg. No. 48, Greenberg, Reg. No. 44,133; Jennifer & Liepmann, Reg. No. 20,407; Jim Olese	584; Robert W. Gauthier, Reg K. Holmes, Reg. No. 46,778; S n, Reg. No. 46,967; Kevin A. 76; Kingsley L. Taft, Reg. No leg. No. 28,129 as attorneys/a	g. No. 35,153; Jason Gish, Reg. No. Scott E. Kamholz, Reg. No. 48,543; Oliver, Reg. No. 42,049; Chinh H. 1	42,581; Dana Gordon, Reg. No. 44,719; Robert A. David A. Lane, Reg. No. 39,261; W. Hugo Pham, Reg. No. 39,329; Jeffrey M. Sears, Reg. No. 374; Anita Varma, Reg. No. 43,221; Sharon Webb, and to transact all business in the Patent and
Address all telephone calls to Dana M.	Gordon at telephone number	(617) 832-1000.	
Address all correspondence to:	Customer Id No: 25181		
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170		
1 Cl 4b - 4 4b - 4 - 4to to monto 11000 1	de herein of my own knowledge	willful talse statements and the like	ade on information and belief are believed to be true so made are punishable by fine or imprisonment, or peopardize the validity of the application or any
Full name of sole or first inventor (give	en name, family name): Chari	les M. Lieber	Date
Inventor's signature:			Date: Citizenship: U.S.A.
Residence: <u>Lexington</u> , <u>MA</u> Post Office Address: <u>27 Hayes Avenue</u>	e, Lexington, MA 02420		

☐ Additional inventors are being named separately numbered sheets attached hereto.

Full name of second joint inventor (given name, family name): Jason H. Hafner	
Inventor's signature: 12	Date: March/11/02
Residence: Houston, TX	Citizenship: U.S.A.
Post Office Address: 3733 Bellefontaine Street, Houston, TX 77025	
Full name of third joint inventor (given name, family name): Chin Li Cheung	
Inventor's signature:	Date:
Residence: Cambridge, MA	Citizenship: China
Post Office Address: 1087 Murrieta Blvd., #141, Livermore, CA 94550	
Full name of fourth joint inventor (given name, family name): Philip Kim Inventor's signature:	Date:
Residence: New York, NY	Citizenship:
Post Office Address: 452 Riverside Drive, Apt. 22, New York, NY 10027	· · · · · · · · · · · · · · · · · · ·
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	<u> </u>

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20/477095.1

A E YE				
MAR 2 2 2002	CLARATION	FOR PATENT APPLICATION	Docket Number: H	UV-039.01
as a below named inventor, I hereby	Seclare that:			
My residence, post office address		next to my name.		
believe I am the original, first and s he subject matter which is claimed a	sole inventor (if only one name is	listed below) or an original, first and joint inv	entor (if plural names are listed	below) of
	Direct Growth of Nano	otubes, and Their Use in Nanotweezers		
he specification of which (check on	e)			
and was amend	n Date September 28, 2001 as United on Date (if applicable).	ted States Application Number or PCT Interna		
hereby state that I have reviewed a referred to above.	nd understand the contents of the	above identified specification, including the c	laims, as amended by any amen	dment
acknowledge the duty to disclose in	nformation, which is material to p	atentability as defined in Title 37, Code of Fed	deral Regulation, § 1.56.	
I hereby claim foreign priority benef below and have also identified below priority is claimed.	its under Title 35, United States C v any foreign application for pater	Code, § 119(a)-(d) of any foreign application(s nt or inventor's certificate having a filing date	s) for patent or inventor's certific before that of the application or	cate listed 1 which
Prior Foreign Application(s)			Priority (Claimed
			☐ Yes	☐ No
(Number)	(Country)	(Day/Month/Year Filed)		
(Number)	(Country)	(Day/Month/Year Filed)	Yes	☐ No
,) of any United States Provisional application	(s) listed below.	
6\$\vec{\pi}{2}37,347	September 29, 2000		•	
(Application Number)	(Filing Date)	_		
面				
(Application Number)	(Filing Date)			
of the claims of this application is not code 8 112. Lacknowledge the duty	ot disclosed in the prior United Sta	f any United States application(s) listed below ates application in the manner provided by the material to patentability as defined in Title 37 in and the national or PCT international filing	e first paragraph of Title 35, Unity, Code of Federal Regulations, date of this application.	§ 1.56
(Application Number)	(Filing Da	•	(Status: patented, pending, aband	
(Application Number)	(Filing Da	•	(Status: patented, pending, aband	
I bereby appoint Beth E. Amold, Re 42-483; Daniel P. Gaudet, Reg. No. Greenberg, Reg. No. 44,133; Jennif Liepmann, Reg. No. 20,407; Jim Ol 48,440; Philip C. Swain, Reg. No. 3	48,584; Robert W. Gauthier, Reg. er K. Holmes, Reg. No. 46,778; Seesen, Reg. No. 46,967; Kevin A. G. 2,376; Kingsley L. Taft, Reg. No. h, Reg. No. 28,129 as attorneys/ag	eg. No. 47,326; Stephen B. Deutsch, Reg. No. No. 35,153; Jason Gish, Reg. No. 42,581; Dacott E. Kamholz, Reg. No. 48,543; David A. I Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. 43,946; John Quisel, Reg. No. 47,874; Anita gents to prosecute this application and to transcenders.	ana Gordon, Reg. No. 44,/19; F Lane, Reg. No. 39,261; W. Hug . No. 39,329; Jeffrey M. Sears, Varma, Reg. No. 43,221; Sharo	tobert A. o Reg. No. on Webb,
Address all telephone calls to Dana	M. Gordon at telephone number (617) 832-1000.		
Address all correspondence to:	Customer Id No: 25181			
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170			
and further that these statements we both, under Section 1001 of Title 18 patent issued thereon.	ere made with the knowledge that the B of the United States Code and the	ge are true and that all statements made on info willful false statements and the like so made a at such willful false statements may jeopardiz	ire punishable by fine or imprise	onment, or
Full name of sole or first inventor (g	given name, family name): Charle	es M. Lieber Date:		
Inventor's signature:			nip: <u>U.S.A.</u>	
Post Office Address: 27 Hayes Ave	nue, Lexington, MA 02420			
	Additional inventors are being	ng named separately numbered sheets attached	hereto.	

Full name of second joint inventor (given name, family name): Jason H. Hafner	
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Residence: Houston, TX	Citizenship: U.S.A.
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Inventor's signature: Lakeung Solin his	Date: 2-28-20°
Residence: Cambridge, MA	Citizenship: China
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Full name of fourth joint inventor (given name, family name): Philip Kim Inventor's signature:	Date:
Residence: New York, NY	Citizenship:
Post Office Address: 452 Riverside Drive, Apt. 22, New York, NY 10027	
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	
Post Office Address:	

Docket Number: HUV-039.01 CLARATION FOR PATENT APPLICATION inventor, I hereby de lare that: As a below name My residence, post of address address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Direct Growth of Nanotubes, and Their Use in Nanotweezers the specification of which (check one) is attached hereto. was filed on Date September 28, 2001 as United States Application Number or PCT International Application Number 09/966,812, and was amended on Date____ (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Priority Claimed Prior Foreign Application(s) ☐ Yes ☐ No (Day/Month/Year Filed) (Country) (Number) ☐ No ☐ Yes (Day/Month/Year Filed) (Country) (Number) I treby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below. September 29, 2000 (Filing Date) (Application Number) (Filing Date) (Application Number) Libereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Gode, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. (Status: patented, pending, abandoned) (Filing Date) (Application Number) TLI (Status: patented, pending, abandoned) (Filing Date) (Application Number) I hereby appoint Beth E. Arnold, Reg. No. 35,430; Isabelle Clauss, Reg. No. 47,326; Stephen B. Deutsch, Reg. No. 46,663; William D. DeVaul Reg. No. 491483; Daniel P. Gaudet, Reg. No. 48,584; Robert W. Gauthier, Reg. No. 35,153; Jason Gish, Reg. No. 42,581; Dana Gordon, Reg. No. 44,719; Robert A. Greenberg, Reg. No. 44,133; Jennifer K. Holmes, Reg. No. 46,778; Scott E. Kamholz, Reg. No. 48,543; David A. Lane, Reg. No. 39,261; W. Hugo Liepmann, Reg. No. 20,407; Jim Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. No. 39,329; Jeffrey M. Sears, Reg. No. 48,440; Philip C. Swain, Reg. No. 32,376; Kingsley L. Taft, Reg. No. 43,946; John Quisel, Reg. No. 47,874; Anita Varma, Reg. No. 43,221; Sharon Webb, Reg. No. 47,172; and John L. Welch, Reg. No. 28,129 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Address all telephone calls to Dana M. Gordon at telephone number (617) 832-1000. Customer Id No: 25181 Address all correspondence to: Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor (given name, family name): Charles M. Lieber Inventor's signature: Citizenship: U.S.A Residence: Lexington, MA Post Office Address: 27 Hayes Avenue, Lexington, MA 02420

Additional inventors are being named separately numbered sheets attached hereto.

20/477095.1

Full name of second joint inventor (given name, ramily name): Jason H. Hafner	
Inventor's signature:	Date:
Residence: Houston, TX	Citizenship: U.S.A.
Post Office Address: 7500 Kirby Drive, #1520, Houston, TX 77030	
Full name of third joint inventor (given name, family name): Chin Li Cheung	
Inventor's signature:	Date:
Residence: Cambridge, MA	Citizenship: China
Post Office Address: 1087 Murrieta Blvd., #141, Livermore, CA 94550	
Full name of fourth joint inventor (given name, family name): Philip Kim	
Inventor's signature: Thirty King	Date: 01/30/02
Residence: New York, NY	Citizenship: Koreo
Post Office Address: 452 Riverside Drive, Apt. 22, New York, NY 10027	
	·-
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	